## Use Attainability Analysis

for

WBID 3251 Big Sugar Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program



## Data Sheet A - Water Body Identification

(f	Vater Body Name: From USGS 7.5' quad) Big Sugar Creek  -digit HUC: 11070208
	Gissouri WBID #: 3251
	ounty: Barry /McDonald
	pstream Legal Description: Big Sugar Creek @ Hwy DD
D	ownstream Legal Description: Big Sugar Creek @ Sugar Lane @ Elk Valley
U	pstream Coordinates: UGS 84, ddd.ddddd) N. 36. 51542 W. 094. 01436
-	ownstream Coordinates: JGS 84, ddd.ddddd N. 36, 60907 W. 094 - 35099
	ischarger Facility Name(s):
D	ischarger Permit Number(s):
N <sup>-</sup>	umber of Sites Evaluated: 3
N	ame of Surveyor and Telephone Number: Michael Cunningham 816-622-7016
	rganization: MONR / KCRO
Po	osition: E.S. I
	undersigned, hereby affirm to the best of my knowledge, that all information reported on this UA heet is true and accurate.
ma	d: Mulicila. C. J. Date: 76/05

September 29, 2004 Page 17

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 32	·51		Site Location D	escription: 0/	
Site GPS Coordinates:	36, 515 42		Big Sugar	+ Huy DD	
Date & Time: 7/6/	05Q 13:20	2	Facility Name:		
Personnel: M. Cunn	<del>.</del>		Permit Number	-	··
Current Weather Condition		st. Sun.	Weather Condit	ions for Past 7 days: *90	9= 1.54 rain
Photo Ids: Upstream: /9			197, 198 Othe	r:	
			<u> </u>	····	
Uses Observed*:				<u> </u>	<u> </u>
☐ Swimming	☐ Skin diving	□ SCL	JBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boar	ting	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fish	ing	None of the above	Other:
Describe: (include numbe	er of individuals rec	reating, freque	ency of use, photo	-documentation of evidence	of recreational uses, etc.)
					···
Surrounding Condition	8*: (Mark all that p	romote or imp	ede recreational u	ises. Attach photos of evider	nce or unusual
tems of interest.)					
☐ City/county parks	☐ Playgrounds	☐ MDC con	servation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National f	orests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	Fence	Steep slop	es	☐ Other:	
Evidence of Human Use		<del></del>	·	<u> </u>	
☐ Roads	☐ Foot paths/prin	its Do	ock/platform	☐ Livestock Watering	RV/ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fir	e pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
□ Other: None	observed.			<u>.                                    </u>	

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Page Two - Data Sheet B for WBID # 325/ :

Stream Morpholo Upstream Viev	-	mensions:				
	h (ft):	Length (ft):	Avg. Dept	th-(ft)	Max. Depth (	ft):
□ Run Widt	h (ft);	Length (ft):	Avg. Dept	th (ft):	Max. Depth (	ft);
□ Pool Width	h (ft):	Length (ft):	Avg. Dept	th (ft):	Max. Depth (	ft):
☐ Flow—Prese	nt? 🗆 Yes	□ No	Estimated	(ft³/sec): <b>D</b>	7	
Downstream V	iew Physical	Dimensions:			•	
☐ Riffle Width	a (ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depth (	ft):
□ Run Width	n (ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depth (	ft):
□ Pool Widtl	) (ft):	Length (ft):	Avg. Dept	h (ft):-	Max. Depth (	ft):
□ Flow Prese	nt? □ Yes	□ No	Estimated	(ft³/sec): <b>D</b>	$\gamma$	
ubstrate*: (These		dd up to 100%.)	% Sand	% Silt	% Mud/Clay	% Bedrock
	<u> </u>		7,7 20170	745.11	70 1111111 (111)	
Bome Gru				sessment site)		
	tush oto	ing in creed		sessment site)		
Bome brus	tush oto	ing in creed		Sessment site)  ☐ None	☐ Other:	
Bome Guu Beinho ( Vater Characteri	tush o tu stics*: (Mark a	el covered	k bed.		☐ Other:	
Bome Gundo (  Vater Characteri  Odor:	tush etu Stics*: (Mark a	el covered  Il that apply.)	k bed.	□ None □ Milky		
Bome Gundo C Vater Characteri Odor: Color:	Sewage	el covered  Il that apply.)   Green	R bed.	□ None □ Milky	☐ Other:	~
Bome Gunho C Vater Characteri Odor: Color: Bottom Deposit:	stics*: (Mark a  Sewage  Clear  Sludge  Oil  attach addition to be used sole anding of water con use analysis b, hereby affir	Il that apply.)    Musky   Green   Solids   Scum    One of the conditions of a conditions of a contract to the best of the conditions of the conditions of the conditions of the conditions of the best of the conditions of the conditions of the best of the conditions of the best of the conditions of t	☐ Chemical ☐ Gray ☐ Fine sediments ☐ Foam  The including information and the information of the information	□ None □ Milky □ None □ None ation from interior is not intended ther analysis or the	Other: ot	e ce a e.



3251\_001\_US





3251\_001\_DS





3251\_001\_DS



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3	25/		Site Location D	escription: OZ	an Ridge
Site GPS Coordinates:			Big Sugar	escription: 02 Cour - Creek + His	
Date & Time: 7/6		15	Facility Name:	_	<del></del>
Personnel: M. Cur	ningham		Permit Number	<del></del>	
Current Weather Condi	tions: 65% + Su	mal	Weather Condit	ions for Past 7 days: 29	9° 1.54 sain
Photo Ids: Upstream:		_	2,203,204 Othe	er: —	<del></del>
es Observed*:	<del>_</del>			<u> </u>	
Swimming	☐ Skin diving		CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	□ Bc	pating	Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fis	shing	☐ None of the above	☐ Other:
Describe: (include number 2 adults , of Tables + Charprevented ph	me child in sit up otographs.	. appla insli	no to be a	long their prov quent case. Vo	serty. Zetation
Z adults, of Tables + Chau prevented pherounding Conditions of interest.)	m set up otographs.  ns*: (Mark all that	incli	cating fre	guent cease. Vo	getation  nce or unusual
Z adulti, a Tables + Chai prevented ph  rounding Condition	me child in set up otographs.	incli	no to be a	guent cese. Vo	eety. Zetation
Z adults, of Tables + Chau prevented pherounding Conditions of interest.)	m set up otographs.  ns*: (Mark all that	incli	cating fre	guent cease. Vo	getation  nce or unusual
Z adults, a Tables + Chau prevented ph  rrounding Condition as of interest.)  City/county parks	n set up otographs.  ns*: (Mark all that)	promote or in	cating ful	guent cuse. Vo	getation  nce or unusual  Campgrounds
Z adults, a Tables + Char prevented ph  rrounding Condition ns of interest.)  City/county parks  Boating accesses	nst up otographs.  ms*: (Mark all that  Playgrounds  State parks	promote or in MDC co	cating ful	guent case. Vo	getation  The continuous of th
Z adults , of Tables + Chauprevented pherevented pheresented pheresented phereses.)  City/county parks  Boating accesses	nst up otographs.  ms*: (Mark all that  Playgrounds  State parks	promote or im  MDC co	cating ful	guent case. Vo	getation  The continuous of th
Z adulti 1 of Tables + Chau prevented pherevented pherevented pherest.)  City/county parks  Boating accesses  No trespass sign	me child  mat up otographs.  ms*: (Mark all that)    Playgrounds   State parks   Fence	promote or im  MDC co	no to the a cating full pede recreational unservation lands forests	ses. Attach photos of evidence.  Urban areas  Nature trails	Campgrounds  Stairs/walkway

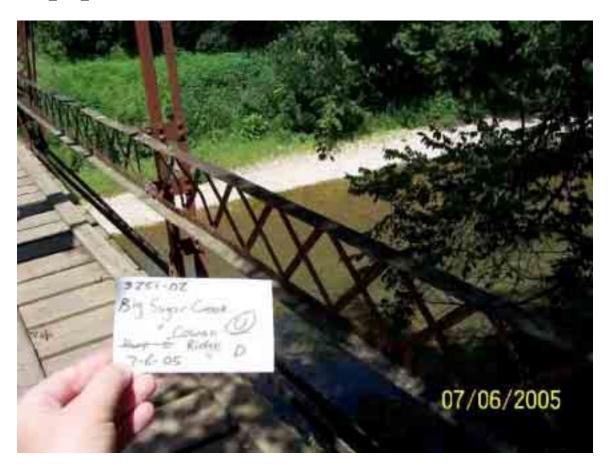
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Page Two - Data Sheet B for WBID # 325/:

- Unstream Viev	w Physical Dir	พอหรากทรง						
	h (ft):	Length (ft):		Avg. Depth	(ft):	Max. Dep	th (ft):	
Run Widt	th (ft): 40	Length (ft):	200	Avg. Depth	(ft): 3	Max. Dep	th (ft):	6
□ Pool Widt	h (ft):	Length (ft):		Avg. Depth	(ft):	Max. Dep	th (ft):	
Flow Prese	ent? 🗷 Yes	□ No		Estimated (fi	t³/sec):	Z 4 2/500	٤	
Downstream V	iew Physical l	Dimensions:						
	h (ft):	Length (ft):		Avg. Depth (	(ft):	Max. Dep	th (ft):	
□ Run Width	h (ft):	Length (ft):		Avg. Depth (	(ft):	Max. Dep	th (ft):	
Pool Width	h (ft): 20	Length (ft):	50	Avg. Depth (	(ft): 3	Max. Dep	th (ft):	6
Flow Prese	nt? <b>½</b> KYes	□ No	· · · · · · · · · · · · · · · · · · ·	Estimated (ft	3/sec): /	Z f+3/sec	• .	
quatic Vegetation			or algal grow	th at the asse	ssment site)	-		
bome alga Banko Vice	ne growth on stree	covered.	or algal grow	th at the asse	ssment site)			
	ne growth the title istics*: (Mark a	Covered .	or algal grow		ssment site)	☐ Other:		
Bome alga Banko hu  ater Characteri	ne growth on stree	covered.		mical				
Beml alga Banho hur ater Characteri Odor:	istics*: (Mark a	Il that apply.)	□ Che	mical	<b>≫</b> None	□ Other:		
Sanho Lun  Ater Characteri  Odor:  Color:	istics*: (Mark a)	ll that apply.)  Musky  Green	□ Che	emical y e sediments	Milky	□ Other:		
Ater Characteri Odor: Color: Bottom Deposit: Surface Deposit: omments: Please his information is no imprehensive underst cision on the recreati the undersigned itasheet is true a	istics*: (Mark all   Sewage   SClear   Sludge   Oil   e attach addition to be used soleitanding of water of ion use analysis but, hereby affirm	Il that apply.)  Musky Green Solids Scum  Inal comments by for removal of conditions. Consult may point to continuous continuous continuous consult may point to consult may point may	☐ Che ☐ Gra ☐ Fine ☐ Foa: s (including a recreation sequently, the conditions the	e sediments  m g informati al use design is information at need further	None  Milky None  None  non from in ation but ration but ration is not intender analysis of the content and the content analysis of the content analys	☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ terviews) to this ther is to provide a reducted to directly inflight that effect another.	more uence a r use.	ı
Ater Characteri Odor: Color: Bottom Deposit: Surface Deposit: omments: Please this information is no imprehensive underst cision on the recreati	istics*: (Mark all   Sewage   SClear   Sludge   Oil   e attach addition to be used soleitanding of water of ion use analysis but, hereby affirm	Il that apply.)  Musky Green Solids Scum  Inal comments by for removal of conditions. Consult may point to continuous continuous continuous consult may point to consult may point may	☐ Che ☐ Gra ☐ Fine ☐ Foa: s (including a recreation sequently, the conditions the	e sediments m g informati al use design is information at need further owledge, the	None  Milky None None on from in ation but ration is not intener analysis on	Other: Other: Other: Other: Other: terviews) to this ther is to provide a redded to directly inflight that effect another that effect another.	more uence a r use.	ı



3251\_002\_US





3251\_002\_DS





3251\_002\_DS



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3	251		Site Location D		
Site GPS Coordinates:	N. 36. 60907 W. 094. 35099		Big Suga	+ Sugar Los	Q Elk Valley
Date & Time: 7/6			Facility Name:	_ 0	
Personnel: M. Cun	nineham		Permit Number		
Current Weather Condi	tions: 85°F+	curry	Weather Condi	tions for Past 7 days: 270	F. 1.54 rain
Photo Ids: Upstream: 2					
	, , , , , , , , , , , , , , , , , , , ,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Jses Observed*:					
Swimming	☐ Skin điving	D SC	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Bos	ating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	Fish	ning	☐ None of the above	Other:
12. people	ber of individuals red - 4 aclub - 1 aclub - 6 chedien	th Ceine I che'il swimm	ency of use, photo eing bisherig eing	-documentation of evidence	e of recreational uses, etc.)
12 people	-4 adub -1 adult, -6 chedien	to Camo I che'il swimm	eing bisherig eing	-documentation of evidence	
12 people	-4 adub -1 adult, -6 chedien	to Cerno I cheil Swimm  promote or imp	eing bisherig eing		
UZ ployald	-4 adult, -1 adult, -6 chedien  ns*: (Mark all that)	to Cerno I cheil Swimm  promote or imp	bishering and pede recreational to	uses. Attach photos of evide	nce or unusual
Surrounding Conditionems of interest.)	- 4 aclub - 1 aclub - 6 chedien  ns*: (Mark all that)	the Cerno-	bishing ring pede recreational unservation lands forests	uses. Attach photos of evide	nce or unusual
Surrounding Conditionems of interest.)  □ City/county parks □ Boating accesses	- 4 aclub - 1 ac	cheil  cheil  cheil  cheil  cheil  movimm  promote or imp	bishing ring pede recreational unservation lands forests	uses. Attach photos of evide  Urban areas  Nature trails	nce or unusual
Furrounding Conditionems of interest.)  Grity/county parks  Boating accesses  No trespass sign	- 4 aclub - 1 ac	b Ceens	bishing ring pede recreational unservation lands forests	uses. Attach photos of evide  Urban areas  Nature trails	nce or unusual
Introunding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign	- 4 aclub - 1 aclub - 1 aclub - 1 aclub - 6 chedien  ns*: (Mark all that)    Playgrounds   State parks   Fence	b Ceens	bishering pede recreational to a servation lands forests	uses. Attach photos of evide  Urban areas  Nature trails  Other:	nce or unusual  Campgrounds  Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

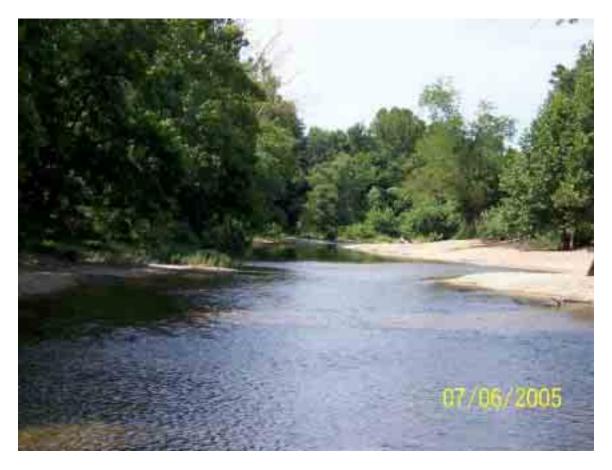
## Page Two - Data Sheet B for WBID # 3251:

	dth (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth (f	t):
<b>K</b> Run Wi	dth (ft): Z6	Length (ft):	100	Avg. Depth (ft):	Z	Max. Depth (f	t): 6
□ Pool Wi	dth (ft):	Length (ft):		Avg. Depth (ft):	•	Max. Depth (f	t):
Flow Pre	esent? XYes	□ No		Estimated (ft <sup>3</sup> /sec	): <b>Z</b>	H3/sec.	
ownstream	View Physica	Dimensions:					
□ Riffle Wi	dth (ft):	Length (ft):		Avg. Depth (ft):		Max, Depth (f	t);
□ Run Wie	dth (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth (fi	t):
Pool Wie	dth (ft): ZO	Length (ft);	20	Avg. Depth (ft):	4	Max. Depth (f)	): <i>8</i>
Flow Pro	sent? 🗷 Yes	□ No		Estimated (ft <sup>3</sup> /sec	): <b>Z</b>	f+3/sec	
	brush	the Cover					
er Characte Odor:	ristics*: (Mark		П.Ch	emical 💆	Jone	[] Other:	
	☐ Sewage	☐ Musky			None Ailky	Other:	
Odor:	□ Sewage  Clear		□ Gra		Ailky	☐ Other: ☐ Other:	
Odor: Color:	☐ Sewage  Clear  Sludge	☐ Musky	□ Gra	e sediments	Ailky	Other:	

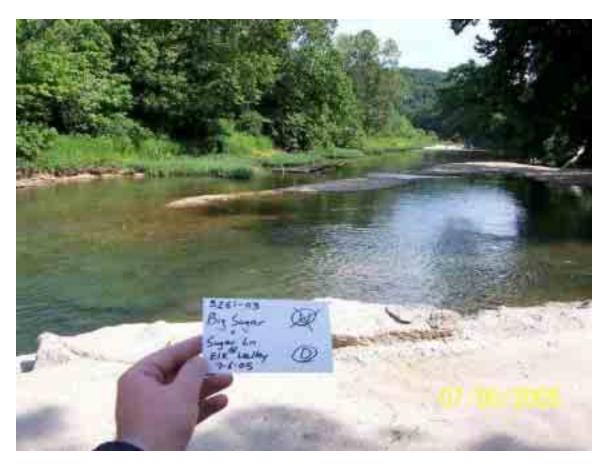


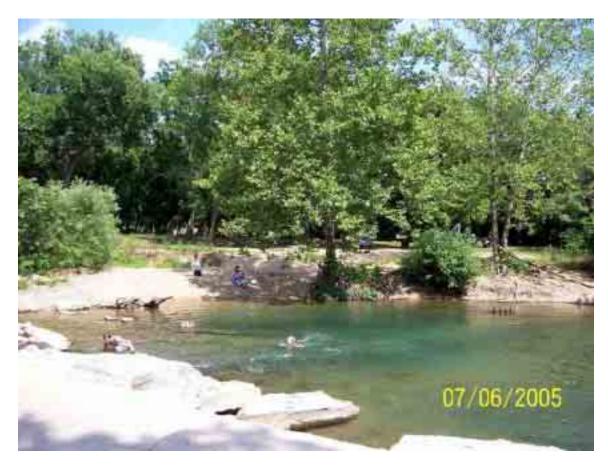
3251\_003\_US





3251\_003\_DS





3251\_003\_DS



